

## CLAIMS

What is claimed is:

- 1) A computing system, comprising:
  - a docking station having a base, a carrier separate from the base, and a nonlinear rigid mounting arm mechanically connecting the base to the carrier, wherein the mounting arm has a first end that pivotally connects to the base and a second end that pivotally connects to the carrier;
  - an electronic display removably connectable to the carrier; and
  - a keyboard in communication with the display.
- 2) The computing system of claim 1 wherein the first end pivots about the base with a first rotational force, the second end pivots about the carrier with a second rotational force, and wherein the first rotation force is greater than the second rotational force.
- 3) The computing system of claim 1 wherein the mounting arm has an S shape in side view.
- 4) The computing system of claim 1 wherein the mounting arm is a single integrally formed member.
- 5) The computing system of claim 1 wherein the mounting arm has an elongated configuration with a generally curved portion and a generally straight portion.
- 6) The computing system of claim 1 wherein the mounting arm is hollow and electrically couples the base to the display when the display is connected to the carrier.
- 7) The computing system of claim 1 wherein the display, while connected to the carrier, is movable between at least four different positions comprising a horizontal landscape position, a horizontal portrait position, an upright landscape position, and an upright portrait position.
- 8) A portable computer, comprising:
  - a base having a central processing unit and memory;
  - a display having a screen, wherein the display is movable between a horizontal position with respect to the base and a vertical position with respect to the base; and
  - an elongated mounting arm mechanically and electrically coupling the display to the base, wherein the mounting arm has two different portions with at least one portion being curved.

- 9) The portable computer of claim 8 wherein the two different portions are rigidly and fixedly connected together and wherein at least one portion is generally straight.
- 10) The portable computer of claim 8 wherein the mounting arm rotationally connects at a first end to the base and rotationally connects at a second end to the display.
- 11) The portable computer of claim 8 wherein the base further comprises a stop mechanism to limit movement of the mounting arm about the base while the display is in the vertical position.
- 12) The portable computer of claim 8 wherein the display is adapted to function as a notepad while in the horizontal position and a view screen while in the vertical position.
- 13) A method, comprising:
  - providing a computer base housing electronic components;
  - providing a computer display housing electronic components;
  - mechanically attaching the base to the display with a curved mounting arm;
  - and
  - adjusting the display to a vertical position such that a center of gravity of the display is between a first pivot point at the base and a second pivot point at the display.
- 14) The method of claim 13 further comprising forming an angle with a front surface of the display relative to a normal axis with the base, the angle being between 10° and 40°.
- 15) The method of claim 14 further comprising:
  - adjusting the display to a horizontal position so the display rests on a support surface; and
  - forming triangular contact locations with the display and support surface.
- 16) The method of claim 15 further comprising:
  - forming a first contact location in a first corner of the display;
  - forming a second contact location in a second corner of the display; and
  - forming a third contact location on the mounting arm.
- 17) The method of claim 15 further comprising:
  - forming a first contact location in a first corner of the display;
  - forming a second contact location in a second corner of the display; and
  - forming a third contact location on the base.
- 18) A computing system, comprising:

a docking station comprising a base housing electronic components, a carrier, and means for connecting the base to the carrier;

a display housing electronic components and mechanically connected to the carrier and electrically coupled to the base through the means for connecting; and

means for positioning the display above the base such that a center of gravity of the display is between two different and parallel axes that pass through two different rotational locations and that are normal to a support surface supporting the base.

19) The computing system of claim 18 wherein the means for connecting provides a curved mechanical connection between the base and the carrier.

20) The computing system of claim 19 wherein the means for connecting also provides a straight mechanical connection for supporting the display.